



aluPE-X (composite) classification ≤ Ø75 mm

Fire performances are valid for range of dØ pipe diameter + s1 pipe thickness within the same pipe material:
aluPE-X (composite) acc. EN norms
dØ 16 up to 75 mm
s1 2,0 up to 7,5 mm
pipe brands eg Uponor, Rehau, Geberit, Henco
pipe insulation brands eg Climpipe, Rockwool, Armaflex

dØ	s1	pipe insulation	construct. type
up to Ø25	2,0 up to 2,5 mm	non-insulated	flexible + rigid walls + rigid floors
aluPE-X Ø16 up to Ø75	2,0 up to 7,5 mm	+ pipe insulation + synth. rubber, min. 60 kg/m ³ 13mm	
		+ glass or rock wool (alu), min. 75 kg/m ³ 20 + 30mm	
		40mm	
		50mm	
	60 + 80mm		

- 1: flexible wall ≥100mm
- 2: rigid wall ≥100mm
- 3: rigid wall ≥150mm
- 5: rigid floor ≥150mm

suitable Firetect products within classification:

Graphite sealant DoP CPR-14/0273		Acrylic sealant or PA sealer DoP CPR-14/0273		Wrap DoP CPR-14/0251	
walls	floors	walls	floors	walls	floors
EI 120 in wall 1+2+3		EI 120 in wall 1+2+3			
EI 60 in wall 1+2+3 also in PA board	individual results max. EI 90 in floor 5	EI 120 in wall 3	EI 120 in floor 5	EI 60 in wall 1+2+3 2 layer also in PA board	
EI 120 in wall 2+3 in FR mortar		EI 60 in wall 2+3 in FR mortar		EI 90 in wall 2+3 1 layer in FR mortar	
EI 120 in wall 1+2 EI 240 in wall 3	EI 240 in floor 5			EI 120 in wall 1+2 EI 240 in wall 3 1 layer	EI 240 in floor 5 2 layer
EI 120 in wall 1+2 EI 240 in wall 3	EI 240 in floor 5			EI 120 in wall 1+2 EI 240 in wall 3 1 layer	EI 240 in floor 5 2 layer
EI 120 in wall 1+2 EI 240 in wall 3	EI 240 in floor 5			EI 120 in wall 1+2 EI 240 in wall 3 2 layer	EI 240 in floor 5 2 layer
EI 120 in wall 1+2 EI 240 in wall 3	EI 240 in floor 5			EI 120 in wall 3 3 layer	EI 120 in floor 5 3 layer
joint details: min. W x D, default: walls: 10 x 25 mm, apply on 2 sides floors: 15 x 25 mm, apply on 2 sides		joint details: min. W x D, default: walls: 10 x 25 mm, apply on 2 sides floors: 15 x 25 mm, apply on 2 sides		default: walls: apply on 2 sides floors: apply on 1 side always apply smoke seal Acrylic sealant on 2 sides	

supporting construction

Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

Max. opening in constructive element:
see principle detail.
Use PA board if opening is larger; see how-to-read.

Penetration services must be supported;
support distance walls max. 500mm
support distance floors max. 400mm

Min. length pipe insulation LI / LS / CS / CI:
see principle detail.

- ▶ INDEX
- PE + PP + PVC
- plastic cable conduits
- PP-R
- PP-MD
- aluPE-X
- PE-Xa
- copper
- steel
- steel conduits
- trays + ladders + wire mesh
- cables + bundles
- fire dampers
- air transfer grilles
- duct cladding
- linear joints
- socket boxes

- how-to-read
- acoustical
- environmental